



# Hydrographic Survey Overview - Description

The Hydrographic Survey Overview (in Danish, *Søopmålingsoversigt*) is published by the Danish Geodata Agency to provide a spatial indication on where depth datasets are available.

The overview contains a collection of dataset polygons. Each dataset polygon is associated with the following metadata:

| Field Name                       | Field Description  |
|----------------------------------|--|
| <i>SurveyID</i>                  | A unique identifier associated to each dataset.<br><div> <b>Please use the “<i>SurveyID</i>” field when interacting with the Danish Geodata Agency.</b></div>   |
| <i>EndDate</i>                   | The end date of data collection (formatted as YYYYMMDD with YYYY for year, MM for month, and DD for day).  |
| <i>HorizontalDatumProjection</i> | The EPSG code and the name of the horizontal datum and projection.   |
| <i>VerticalDatum</i>             | The name of the vertical datum.  |
| <i>IHOCategory</i>               | A quality indicator of the dataset based on the <a href="#">IHO S-44</a> standard (i.e., IHO order).   |
| <i>SurveyType</i>                | The type of dataset: <ul style="list-style-type: none"><li>• “<i>Singlebeam</i>”: The source depths were collected using singlebeam echosounder.</li><li>• “<i>Multibeam</i>”: The source depths were collected using a multibeam echosounder.</li><li>• “<i>Digitized</i>”: The source depths were digitized from survey fair sheets or other historical sources. The original depth data may have been collected using various technologies (e.g., leadline, echosounder).</li></ul> |
| <i>AreaKm2</i>                   | The area of the dataset polygon in square kilometers, using the LAEA Europe projection (EPSG:3035).  |

 Note that metadata also contain a “*fid*” field (feature identifier) required by the format. The “*fid*” field can change at each new release of the Hydrographic Survey Overview.

The Hydrographic Survey Overview is organized by the following layers:

- *Ready for delivery*: datasets ready to be delivered on request as:
  - A point cloud (for “*Singlebeam*” and “*Digitized*” survey types).
  - A grid (for “*Multibeam*” survey type) with the following default settings (when supported by the source data):
    - Resolution: 5 meters.
    - Depth: shoal biased.
    - True positioning (the position of the shoalest sounding is reported).
- *To be verified*: datasets that require internal verification steps before delivery.

There are currently two overviews, one for each of the following areas: Denmark and Greenland.